

IP wireless base station

Supplementary information

Telephony & cordless



Access-IP supports a range of base stations including a wireless LAN access point. This allows DECT handset users and mobile wireless users to send data and hold a telephone conversation over the same access point.

IP base stations are designed for use on a customer's existing network, and simply plug into a LAN network socket. If there are two or more sites that are connected by a suitable data network, it may be possible to utilise this for free inter-site voice or data calls using Qsig over IP.

The VoIP solution is particularly suitable for branch offices that are connected to a company's headquarters via IP routes. The integrated mobile handsets act as normal company extensions, which means that staff can always be reached on their telephone number, regardless of whether they are currently in headquarters or one of the offices. Using shared IP connections for data and telephony cuts down on the need for extra infrastructure and therefore reduces costs.

The wireless LAN access point supports a wide range of protocols supporting communications with a wide range of wireless devices such as laptops, PDAs, scanners and bar code readers to name a few.

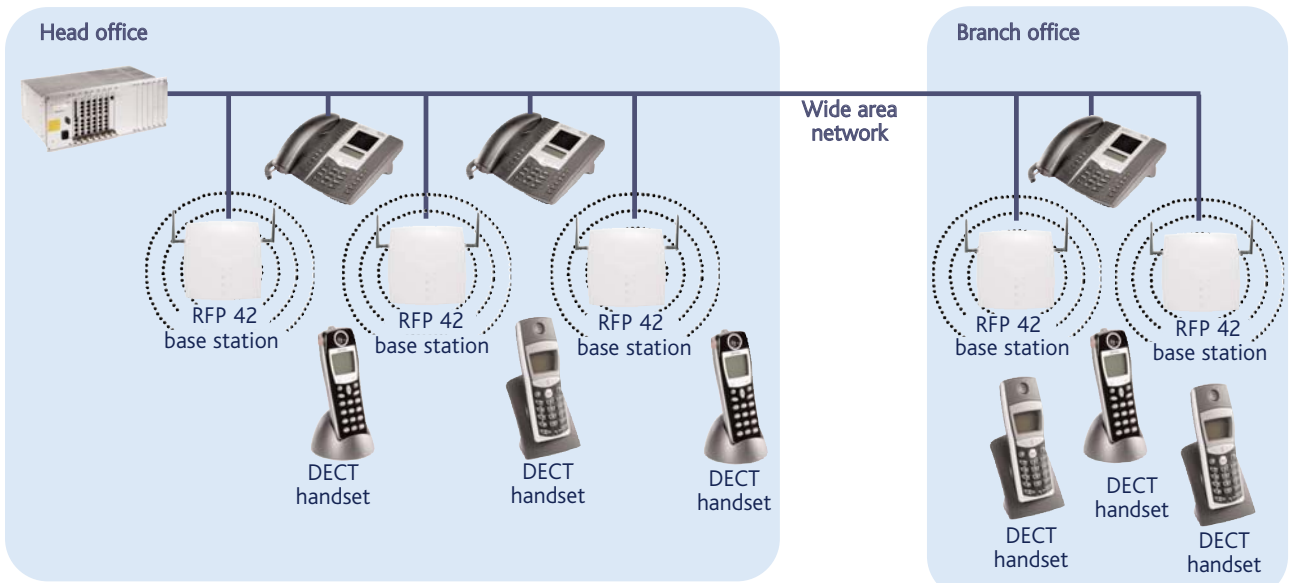
DECT

- All 120 DECT channels supported for maximum use of DECT capacity
- Eight simultaneous voice channels per DECT IP base station, four additional channels for handover
- Synchronisation of the IP RFPs via DECT radio interface
- GAP and CAP standards supported
- Connection handover in line with GAP standard
- DSAA authentication between base and handset
- Cordless system telephones can use all features offered by Access 6000 (from Release 3.2 onwards)
- LED signalling of current operating state on the RFP 42 IP
- Integrated DECT antennae in the RFP 42 IP

Key benefits

- One base station for two technologies (DECT, WLAN)
- Only one switch-port is required
- Only one outlet for power over LAN needs to be installed
- Integrated, centralised management for DECT and WLAN via a user-friendly web interface
- Net View Management
- WLAN access points can be grouped in clusters
- The WLAN properties within one cluster can be managed for all access points simultaneously
- Access points are administered via a central location

Network



Technical specification

WLAN access point

- Support of 802.11b & 802.11g for WLAN enabling 802.11b & 802.11g usage
- Adjustable transmission power level for easy network planning
- Two adjustable external aerials
- Central service interface for all WLAN access points
- 802.11d multiple regulatory domains, enabling country specific WLAN channel selection
- Wireless Multimedia Extension (WME) (Q1/060 for quality of service)

Characteristics

- Power supply: Power over LAN standard IEEE 802.3af or 110V/240V AC adaptor. Note LAN must support POE

- Type of ingress protection: IP 45
- Designed for wall mounting

Security features

- Wired Equivalent Privacy (WEP), setable for 64, 128 and 256-bit encryption
- Authentication of stations with RADIUS 802.1x server
- WAP2 with asymmetric encryption
- White list for allowed WLAN stations for up to 64 MAC address entries
- 64 entry associated stations list
- Hidden service set identifier
- Multiple SSID (Q4/06 enables several parallel WLAN networks within one access point infrastructure)

Multitone part numbers

- RFP 42: A5BS-IPW
- Power supply: A5BS-IP-PPEU
- Power supply: A5BS-IP-PPUK

Ethernet

- Connection via Ethernet 10/100 BaseT
- Power supply in line with power over LAN standard IEEE 802.3af
- IPv4
- Optional SNMPv1/v2c, MIB II, read only, support of traps (Q1/06) support of different VLANs (9 virtual LANs)

Requirements

- DHCP
- TFTP

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